1. A method of providing multiple voltage outputs, comprising:

receiving an input signal from a multifunctional pump;

sending a first output signal based on the input signal using a first switch; and

sending a second output signal based on the input signal using a second switch and a transistor.

2. The method of claim 1, wherein the first output signal is a square waveform, the second output signal is a constant voltage, and the first output signal is different from the second output signal.

3. The method of claim 2, wherein the first output signal has a maximum voltage of 7 volts and a minimum voltage of 5 volts and the second output signal is 5 volts.

4. The method of claim 1, further comprising comparing a reference voltage and a feedback voltage using a comparator, the comparator being connected to the transistor.

5. The method of claim 1, wherein the multifunctional pump is a circuit comprising:

a first array;

a second array in parallel to the first array;

a third array in parallel to the second array;

a fourth array in parallel to the third array; and

a fifth array in parallel to the fourth array.

6. The method of claim 5, wherein the multifunctional pump further comprising:

an oscillator providing a clock signal to each of the arrays; and

a comparator providing input to the oscillator, the comparator comparing the output from the arrays with a predetermined voltage.

7. The method of claim 6, wherein the multifunctional pump is in standby mode when the first array is enabled by a first signal, wherein the multifunctional pump is in read mode when the second array is enabled by a second signal and the first array is on, and wherein the pump is in a program/erase mode when the third array, the fourth array, and the fifth

array are enabled by a third signal and the first array and the second array are on.

8. The method of claim 1, wherein the multifunctional pump is a read pump.

9. The method of claim 7, wherein the multifunctional pump is a standby mode pump.

10. The method of claim 8, wherein the multifunctional pump is a program/erase pump.

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11. An apparatus for providing multiple voltages, comprising:

a multifunctional pump;

a first switch receiving input from the multifunctional pump and providing a first output signal;

a transistor receiving input from the multifunctional pump; and

a second switch providing a second output signal.

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12. The apparatus of claim 11, wherein the first output signal is a square waveform, the second output signal is a

constant voltage, and the first output signal is different from the second output signal.

13. The apparatus of claim 12, wherein the first output signal has a maximum voltage of 7 volts and a minimum voltage of 5 volts and the second output signal is 5 volts.

14. The apparatus of claim 11, further comprising a comparator connected to a gate of the transistor, the comparator comparing a reference voltage and a feedback voltage.

15. The apparatus of claim 11, wherein the multifunctional pump comprises:

a first array;

a second array in parallel to the first array;

a third array in parallel to the second array;

a fourth array in parallel to the third array; and

a fifth array in parallel to the fourth array.

16. The apparatus of claim 15, wherein the multifunctional pump further comprises:

an oscillator providing a clock signal to each of the arrays; and

a comparator providing input to the oscillator, the comparator comparing the output from the arrays with a predetermined voltage.

17. The apparatus of claim 16, wherein the multifunctional pump is in standby mode when the first array is enabled by a first signal, wherein the multifunctional pump is in read mode when the second array is enabled by a second signal and the first array is on, and wherein the pump is in a program/erase mode when the third array, the fourth array, and the fifth array are enabled by a third signal and the first array and the second array are on.

18. The apparatus of claim 11, wherein the multifunctional pump signal has the functions of a read pump.

19. The apparatus of claim 18, wherein the multifunctional pump signal has the functions of a standby pump.

20. The apparatus of claim 19, wherein the multifunctional pump signal has the functions of a program/erase pump.